10.10.2020

Implementation report

For project

Skjøtselsavtale 2020 - skjøtsel av slåttemark i Bleikøya naturreservat og åpen grunnlendt kalkmark i Heggholmen naturreservat - Oslo - Roman Gramsz

Heggholmen.

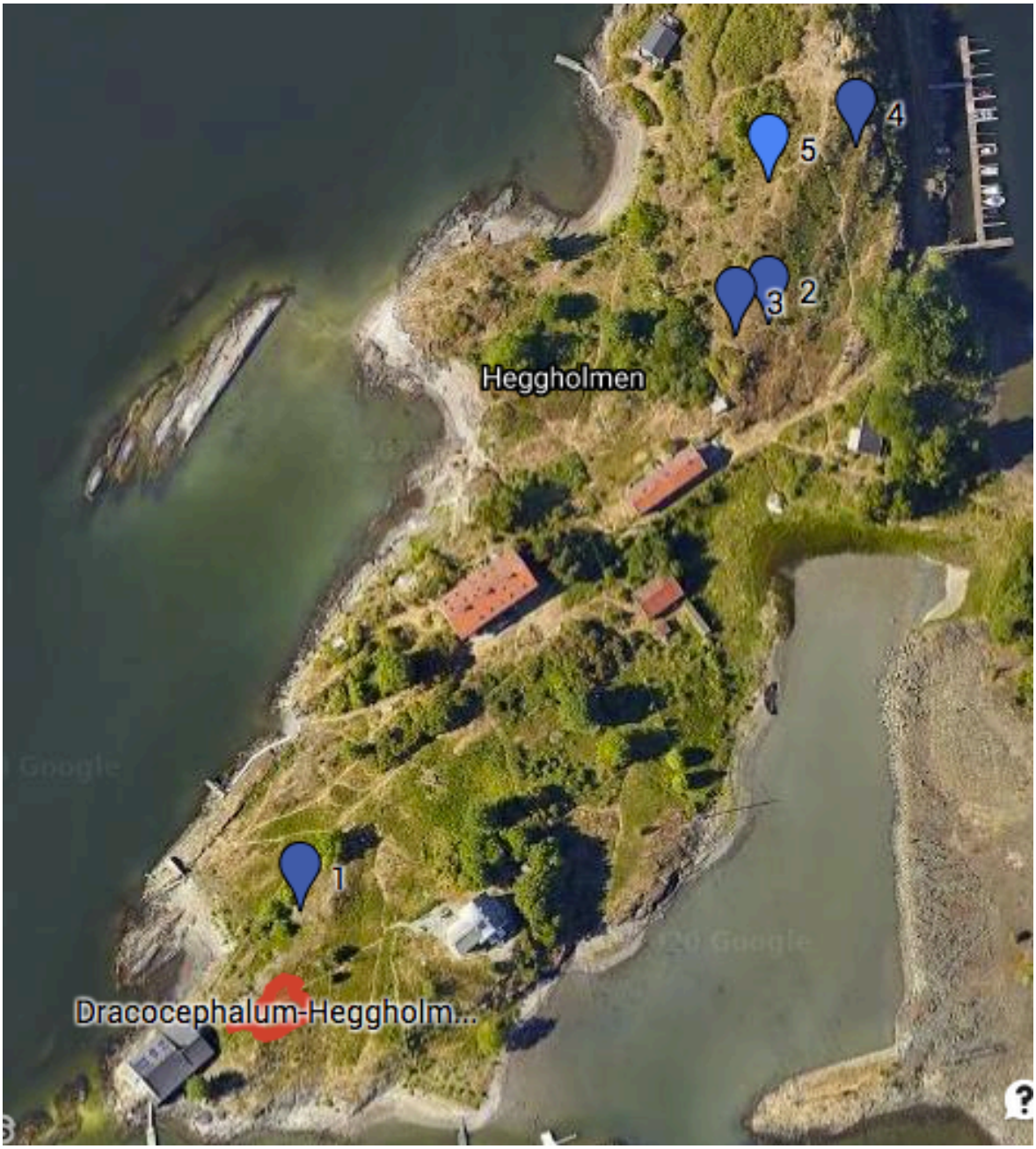
Protective works were held in the period 25 June to 17 September.
In the period 25.06 – 29.06:
- Cutting of lilac shouts were done selectively on whole Heggholmen reserve (marked yellow on Map 1.) Very carefully, low to the ground, mowing was carried out on the densest shouts patches - marked on Map 1. blue.
- Vegetations on places with abundant growth of *Vincetoxicum rossicum*, NE from white house and on Heggholmen hill - (marked red on Map1.) has been cut.
- The newly found Dragehode *Dracocephalum ruyschiana* sites have been thoroughly cleaned of Russesvalerot *Vincetoxicum rossicum* growing there.
- Mjødurt *Filipendula ulmaria* and Russesvalerot *Vincetoxicum rossicum* from the surrounding of concrete circle with the pump has been mowed. We covered the area around the concrete circle, with abundant occurrence of Rusesvalerot, with mowed vegetation to limit its growth.
- We also started cutting bushes along the tracks to the yellow house and on the edge of the open area towards the white house (here mainly Snøbær *Symphoricarpus albus*)
- The rest of cut vegetation was raked and removed to burning place.

In the period 26.08 – 17.09.
- All vegetation, including bushes, has been cut on Heggholmen on area marked yellow on Map 1. Some places, as overgrown by Snøbær, Mjødurt and Rusesvalerot ,were cut second time.
- Similarly as in June, for the second time lilac shouts mowing was carried out on the densest shouts patches - marked on Map 1. blue.
- The next new location of Dragehode has been found on Heggholmen Hill in the place where the lilacs were removed. Map 2. ☺
- All cut vegetation were raked and removed to burning places

- 3 Stack with collected vegetation were burned in 17.09.

This year I managed to complete all planned works thanks to the effective help of summerworkers. ☺

Map 1. Heggholmen Natur Reserve.
- marked yellow - the area covered by the main mowing at the turn of August and September (excluding stand - marked in white)
- marked blue - patches with the thickest Syrin *Syringa vulgaris* suckers (cut 2 times)
- marked red – area with the abundant occurrence of Russesvalerot *Vincetoxicum rossicum* should be mowed 1 -2 times.
- point marked red – place for burning of the collected biomass



Map 2. Dragehode locations on Heggholmen.
- marked red – the old Dragehode location
- marked blue 1,2,3,4. – new lokations found in 2019.
- marked light blue 5. – new location found in 2020.

Probably this year's wet summer caused the seeds of Dragehode to germinate (juvenile specimens and seedlings were found on the new site) and old plants grew over the summer so that at the end of August they were more visible and larger than in June after flowering.

Also noteworthy is the large increase in the population of *Arvicola terrestris* (jordrotte, vånd) this year. Their increased activity is unlikely to have a negative effect on Dragehode.

Photo 1. The open area with concrete circle with pomp. Before cutting. 25.06.2020.

Photo 2. The open area with concrete circle with pomp. After cutting. 2.09.2020.

Photo 3. This area with abundant growth of Rusesvelerot was cut 2x and covered with cut vegetation to limit its growth. 17.09.2020.

Photo 4. The side of the tracks to the yellow house overgrown with bushes. Before cutting. 26.06.2020.

Photo 5. That area after mowing and cutting bushes. 2.09.2020.

Photo 6. The side of the tracks to the yellow house after cutting bushes. 17.09.2020.

Photo 7. …"Before" 25.06.2020.

Photo 8. Area after mowing and cutting bushes. 2.09.2020.

Photo 9. Fighting with lilac, second time. Before. 1.09.2020.

Photo 10. Fighting with lilac, second time. After. 1.09.2020.

Photo 11. Seedlings and juvenile plants of Dragehode. New location. 26.08.2020.

Photo 12. Traces of activity by a large population of *Arvicola terrestrist* this year. 26.08.2020.

Photo 13. Burning one of the stacks... 17.09.2020.